

Title (en)  
SYRINGE PUMP

Title (de)  
SPRITZENPUMPE

Title (fr)  
POMPE DE SERINGUE

Publication  
**EP 2902051 A4 20160525 (EN)**

Application  
**EP 12885885 A 20120926**

Priority  
JP 2012006165 W 20120926

Abstract (en)  
[origin: EP2902051A1] [Problem] Provided is a syringe pump which can discontinue delivery of a drug while preventing the drug from abruptly flowing inside a tube if an occlusion state of the tube is cancelled by straightening bending or twisting of the tube, and thus, the safety of an operation of delivering a drug can be enhanced. [Means for Resolution] A syringe pump 1 includes a drive motor 133; a syringe plunger pressuring member 10 that grasps a syringe plunger 202 of a syringe 200 and presses the syringe plunger 202 in accordance with a clockwise rotation operation of the drive motor 133 so as to deliver a drug inside the syringe 200 to a patient P; a pressure sensor 900 that detects pressure while pressing the syringe plunger 202, in order to detect that a tube 203 is in an occlusion state; and a control unit 100 that performs a counterclockwise rotation operation of the drive motor 133 when pressure detected by the pressure sensor 900 exceeds a predetermined occlusion judgment standard value LC, and stops the counterclockwise rotation operation of the drive motor 133 if any one of the predetermined conditions is fulfilled.

IPC 8 full level  
**A61M 5/00** (2006.01); **A61M 5/145** (2006.01); **A61M 5/168** (2006.01)

CPC (source: EP)  
**A61M 5/1456** (2013.01); **A61M 2005/16863** (2013.01); **A61M 2205/3331** (2013.01); **A61M 2205/581** (2013.01); **A61M 2205/583** (2013.01)

Citation (search report)  
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• [IY] US 2010217193 A1 20100826 - MOBERG SHELDON B [US], et al  
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 12885885 A 20120926**; JP 2012006165 W 20120926; JP 2014537834 A 20120926